

Note on the Reproduction of Leeches. By M. FREMOND.

In this memoir M. Fremond informs us what are the most favourable conditions for the preservation of leeches, but we must refer our readers to his paper for all particulars concerning the construction of reservoirs and the plants most proper to be put into them, merely giving here some of the details furnished by him on the development of these animals.

The reproduction of leeches is effected, according to circumstances, either by cocoons or compound eggs, which are usually hatched at the end of forty days. The egg is formed of a transparent membrane, full of a liquid, in which little globules soon begin to appear; these globules are in fact so many *germs* of leeches, and during development take the form of little worms, which soon leave the egg by an opercular hole at its extremity. The young leech is white when just hatched; it does not begin to acquire colour until some hours afterwards, and only arrives at its perfect colouring when two years old; its first food consists of the mucous matters which cover the leaves of aquatic plants; afterwards, when its mouth has attained a more complete development, it feeds on the larvæ of insects and other small animals.—*Comptes Rendus*, 12 Mai, 1851.

METEOROLOGICAL OBSERVATIONS FOR SEPT. 1851.

*Chiswick*.—September 1. Cloudy and fine: overcast. 2. Drizzly: cloudy and fine. 3. Hazy: very fine: clear. 4. Foggy: cloudy: fine. 5. Very fine: clear. 6. Fine: cloudy. 7. Clear: very fine. 8. Overcast: cloudy and fine. 9—13. Mornings foggy: days very fine: nights clear. 14. Slight fog: very fine. 15. Slight fog: cloudy and fine. 16. Light clouds and fine: overcast. 17. Overcast: fine: cloudy. 18, 19. Fine: clear. 20—22. Very fine: 23. Slight fog: very fine: rain. 24. Foggy: overcast: foggy at night. 25. Slightly overcast: rain. 26. Partially overcast: cloudy: clear. 27. Cloudy: drizzly. 28. Clear and fine. 29. Foggy: fine. 30. Rain: overcast.

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| Mean temperature of the month .....                        | 55°·15       |
| Mean temperature of Sept. 1850 .....                       | 54·23        |
| Mean temperature of Sept. for the last twenty-five years . | 57·18        |
| Average amount of rain in Sept. ....                       | 2·61 inches. |

*Boston*.—Sept. 1. Fine. 2. Cloudy: rain early A.M. and P.M. 3—5. Cloudy. 6. Fine. 7. Cloudy. 8—11. Fine. 12, 13. Foggy. 14. Fine. 15—17. Cloudy. 18, 19. Fine. 20. Cloudy. 21—23. Fine. 24. Cloudy. 25. Cloudy: rain P.M. 26. Cloudy: rain A.M. and P.M. 27. Cloudy. 28, 29. Fine. 30. Cloudy.

*Sandwick Manse, Orkney*.—Sept. 1. Drizzle: damp. 2. Cloudy: rain. 3. Drizzle: cloudy. 4. Clear: aurora. 5. Clear. 6. Bright: cloudy. 7. Cloudy: clear: aurora. 8. Clear. 9. Bright: hazy. 10. Cloudy: drops. 11. Cloudy: fine. 12, 13. Bright: fine: clear. 14. Bright: cloudy. 15. Cloudy: clear: aurora. 16. Bright: clear: aurora. 17. Bright: clear. 18, 19. Fog: cloudy. 20. Showers: clear. 21. Cloudy. 22. Drops: drizzle. 23. Bright: clear: aurora. 24. Clear: cloudy. 25. Showers: sleet showers. 26. Bright: showers. 27. Clear: showers: aurora. 28. Bright: showers: aurora. 29. Cloudy. 30. Cloudy: showers.